# Lake Trout in Wisconsin Waters of Lake Superior; Regulation Options for the 2018 Sport Fishing Season

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Photo: Sam Cook

## Lake Superior Restoration



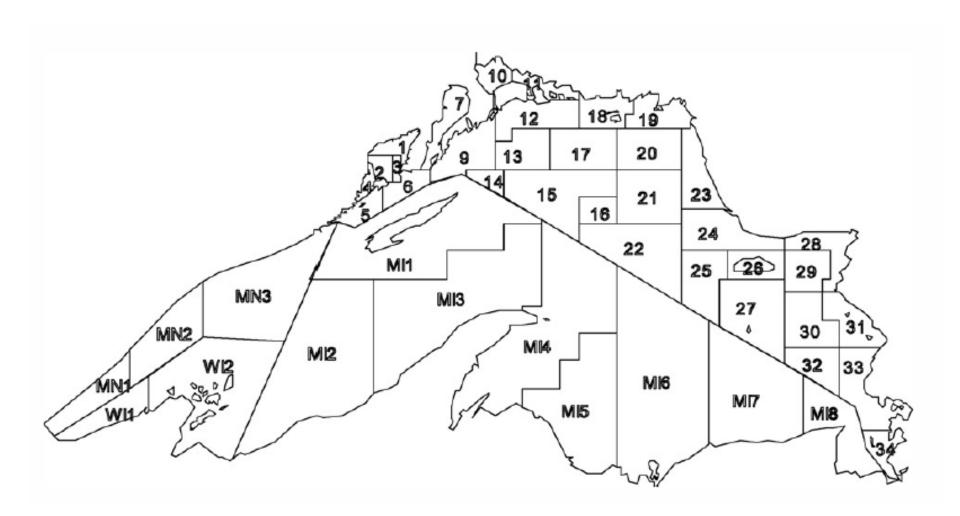
Photo: Derek Montgomery



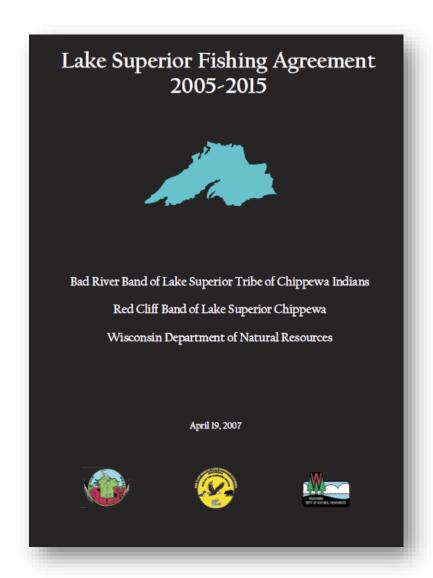
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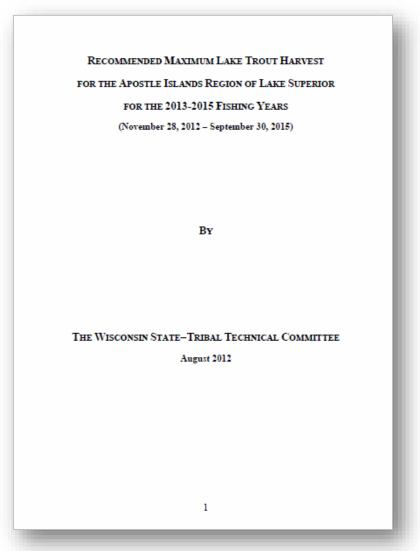


### Wisconsin Waters of Lake Superior

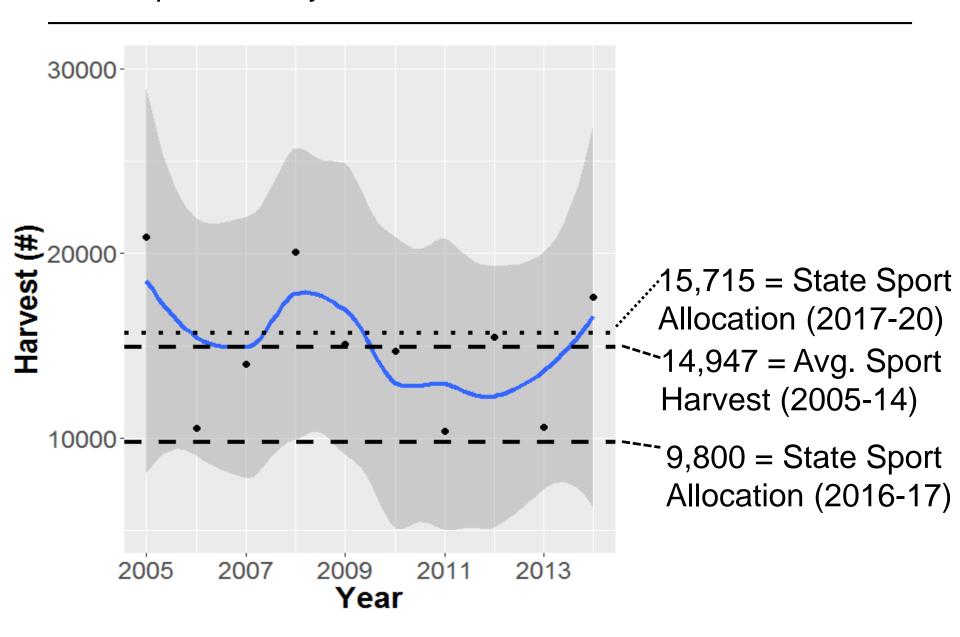


### State-Tribal Fishing Agreement





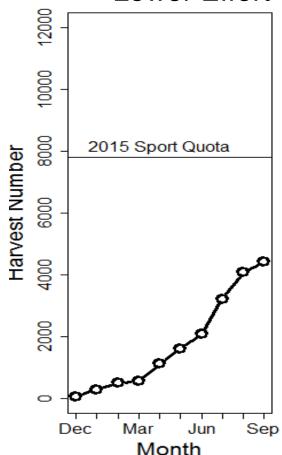
### WI-2 Sport Fishery Under Permanent Rule



### Effectiveness of Emergency Rules

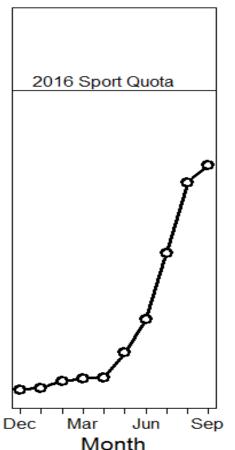
#### 2015

- ice year
- Lower Effort



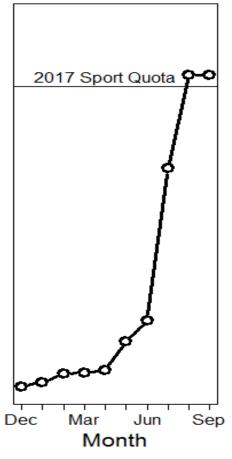
#### 2016

- Below average Below average Below average ice year
  - Saxon Harbor



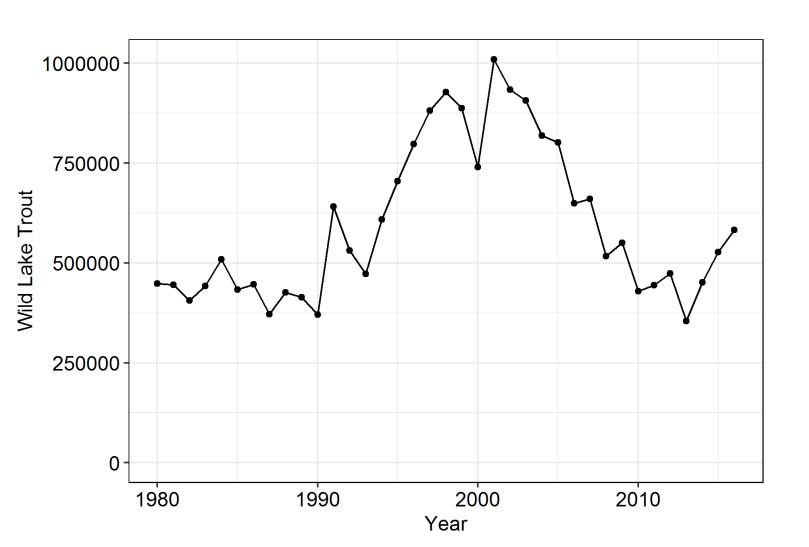
#### 2017

- ice year
- High Catch Rate



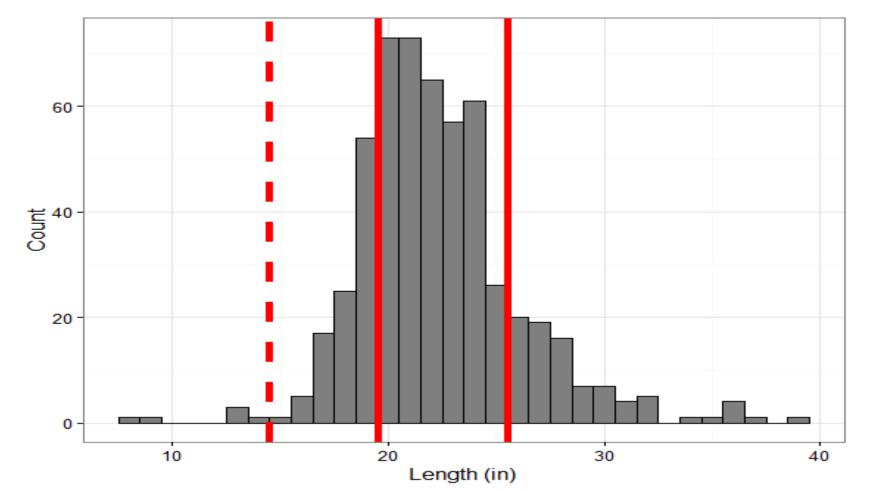
### Effectiveness of Emergency Rules

Abundance of Lake Trout in Apostle Islands



#### Recent Research

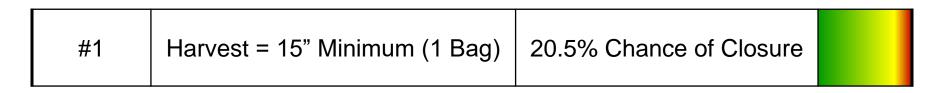
- Hooking mortality may be as high as 38% in Lake Superior
- 25% of the 2016 population are under 20 inches
- 33% of harvest 2010-2014 was under 20 inches

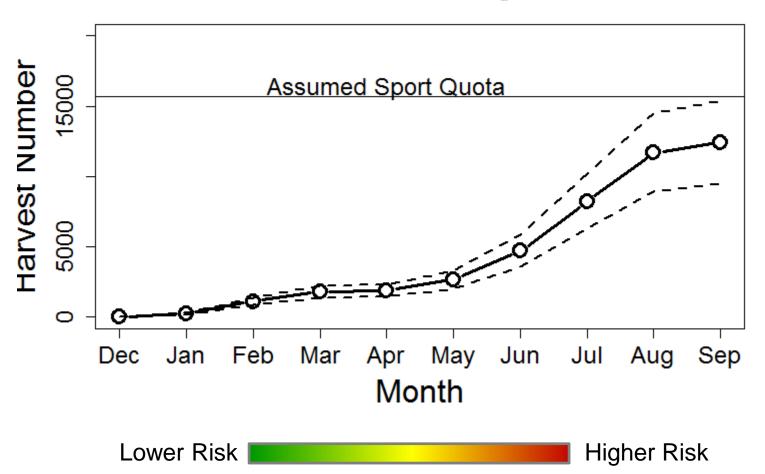


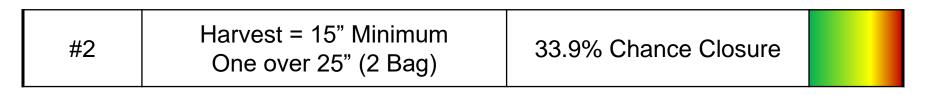
### Conditions to Future Regulations

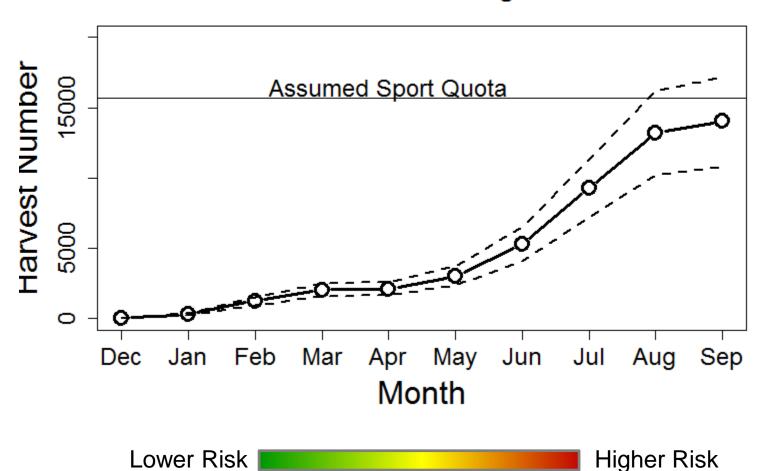
- Sport fishing quota will be higher than last year
- No "fine tune knob" exists to control sport harvest
- Triggers will be implemented so that quota is not exceeded
- Final decisions will be based on input from all stakeholders

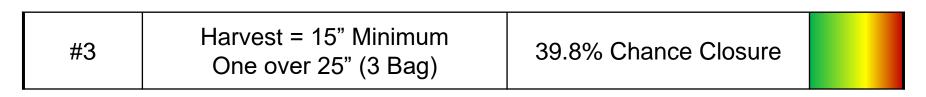


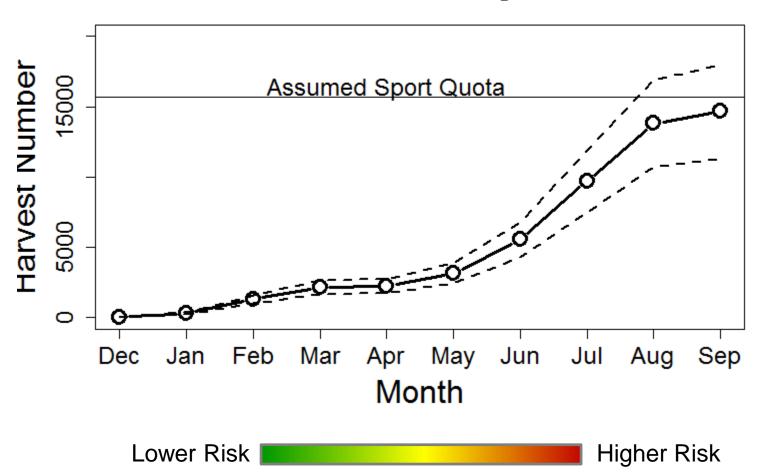


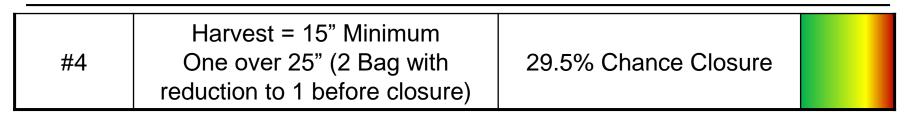


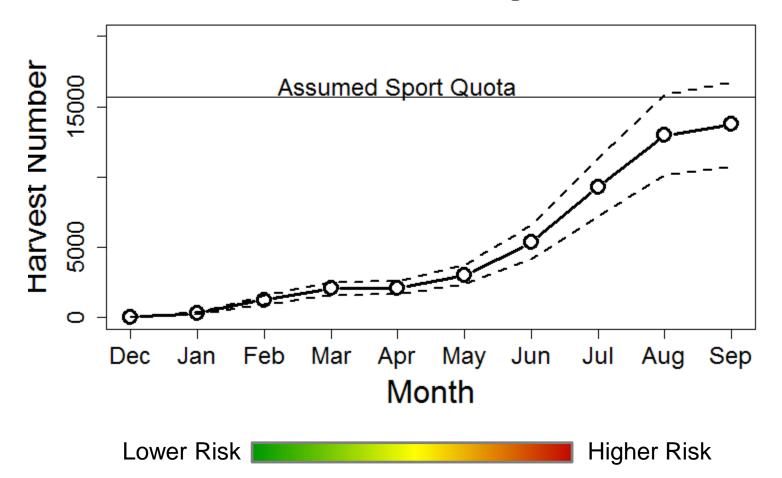


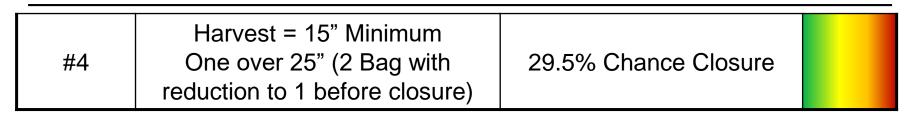


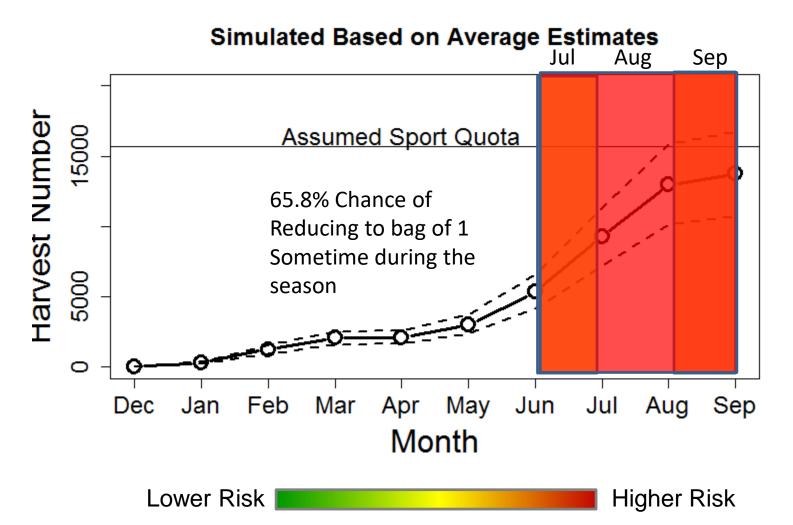


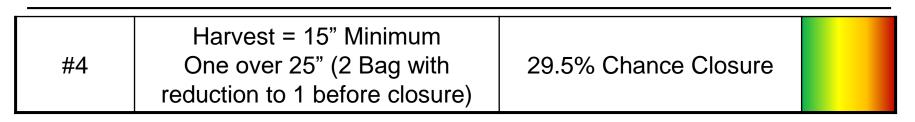


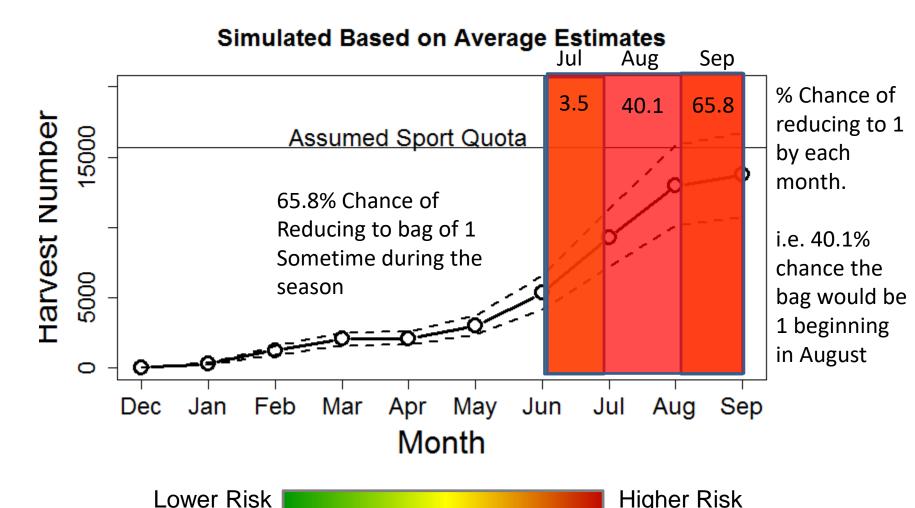












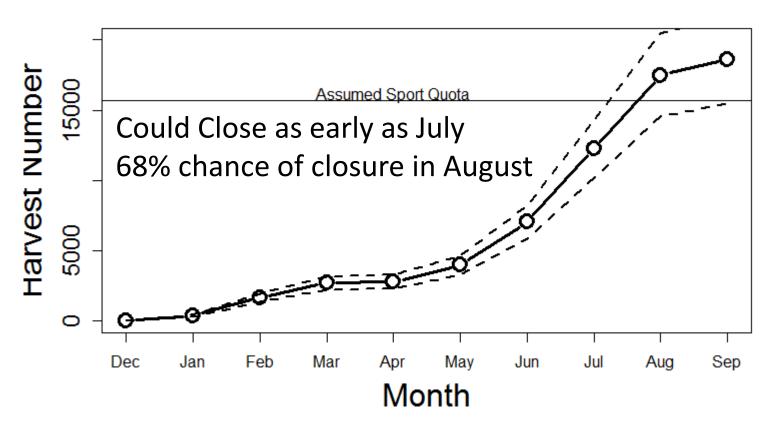
Higher Risk

Option	Description	Risk	
#1	Harvest = 15" Minimum (1 Bag)	20.5% Chance of Closure	
#2	Harvest = 15" Minimum One over 25" (2 Bag)	33.9% Chance of Closure	_
#3	Harvest = 15" Minimum One over 25" (3 Bag)	39.8% Chance of Closure	_
#4	Harvest = 15" Minimum One over 25" (2 Bag with reduction to 1 before closer)	29.5% Chance of Closure	

#### **Invoking Triggers**

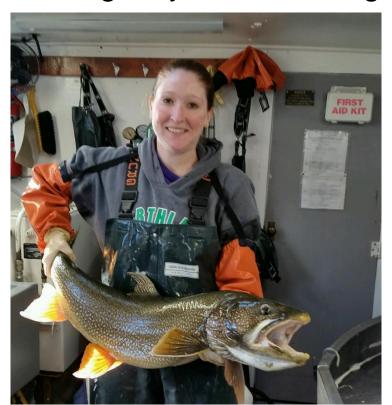
- Estimates are Estimates
- Season closure could occur much earlier
- Option #2 if catch rates are similar to last year

#### Based on 2017 Catch Rate



### Next Steps

- November 8, 2017--Rule Hearing
- December 13, 2018--NRB Approval
- Jan-Feb 2018--Emergency Rule Hearing



## Questions



Photo: NASA